



Staff Report PW2022-007

Title of Report: PW2022-007 Dundalk Wastewater 2021 Annual Report
Department: Public Works
Branch: Water & Wastewater
Council Date: February 16, 2022

Recommendation:

Be it resolved that Council receive Staff Report PW2022-007 for information; and
That Council approve the Dundalk Wastewater Treatment Plant 2021 Annual Report.

Background:

The Annual Dundalk Wastewater Treatment Plant report is mandated from the Township of Southgate's Environmental Compliance Approval (ECA) Number 5657-9D9LYE, Section 10 Reporting:

(6) The Owner shall prepare and submit to the Water Supervisor, a performance report, on an annual basis, within ninety (90) days following the end of the period being reported upon. The first such report shall cover the first annual period following the commencement of operation of the Works and subsequent reports shall be submitted to cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information:

(a) a summary and interpretation of all monitoring data and a comparison to the effluent limits outlined in Condition 7, including an overview of the success and adequacy of the Works;

(b) a description of any operating problems encountered and corrective actions taken;

(c) a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the Works;

(d) a summary of any effluent quality assurance or control measures undertaken in the reporting period;

(e) a summary of the calibration and maintenance carried out on all effluent monitoring equipment;

(f) a description of efforts made and results achieved in meeting the Effluent Objectives of Condition 6;

(g) a tabulation of the volume of sludge generated in the reporting period, an outline of anticipated volumes to be generated in the next reporting period and a summary of the locations to where the sludge was disposed;

(h) a summary of any complaints received during the reporting period and any steps taken to address the complaints;

- (i) a summary of all Bypass, spill or abnormal discharge events; and
- (j) any other information the Water Supervisor requires from time to time.

Staff Comments:

Staff will be providing these documents to the Ministry of the Environment, Conservation and Parks (MECP) with the approved Council resolution. (Attachment #1)

The Dundalk Wastewater Treatment Plant (WWTP) provided treatment in 2021 with an annual average influent daily flow of 1,220 m³/day, a 4.88% increase over the 2020 average influent daily flow of 1,161 m³/day. The plant was shut down 8 times due to trending of exceedances of unionized ammonia and high pH, for a total of 138 days, there were no loading exceedances in 2021 to the receiving stream.

The Dundalk Wastewater Treatment Environmental Assessment (EA) is still ongoing for the Dundalk Sewage Works, to determine technologies to meet effluent compliance objectives and limits and expansion to meet future development needs. A Request for Proposals was issued by Triton Engineering in September 2021, with 8 proposals being received. The submissions were short listed to 4 proposals for further analysis and the preferred technology will then be submitted for Ministry approval in 2022 to complete the EA.

Financial Implications:

There are no financial implications to this report.

Communications & Community Action Plan Impact:

Goal 5 - Upgrading our "Hard Services"

Action5:

The residents and businesses of Southgate recognize our linear services - roads, bridges, water and sewer works, for example - to be a fundamental purpose of municipal government. This infrastructure needs to be serviceable and sustainable so that our businesses and communities can thrive and grow.

Concluding Comments:

Staff recommends that Council receive Staff Report PW2022-007 for information and that Council approve the Dundalk Wastewater Treatment Plant 2021 Annual Report.

Respectfully Submitted,

Dept. Head: *Original Signed By*
Jim Ellis, Public Works Manager

CAO Approval: *Original Signed By*
Dave Milliner, CAO

Attachments:

Attachment #1 – Dundalk Wastewater Treatment Plant 2021 Annual Report